

May 17, 2023

NRAE interim committee meeting

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# Water Supply Update



Candice Hasenyager | Director  
Division of Water Resources



Big thanks to our partners!





*Snow Survey - Coop Creek, April 11, 2023*



*NRCS SNOTEL site visit, March 2023*





January 7, 2023  
Currant Creek

PC: Central Utah  
Water Conservancy  
District



January 28, 2023  
Currant Creek

PC: Central Utah  
Water Conservancy  
District





February 4, 2023  
Carrant Creek

PC: Central Utah  
Water Conservancy  
District



March 4, 2023  
Currant Creek

PC: Central Utah  
Water Conservancy  
District



April 8, 2023  
Currant Creek

PC: Central Utah  
Water Conservancy  
District



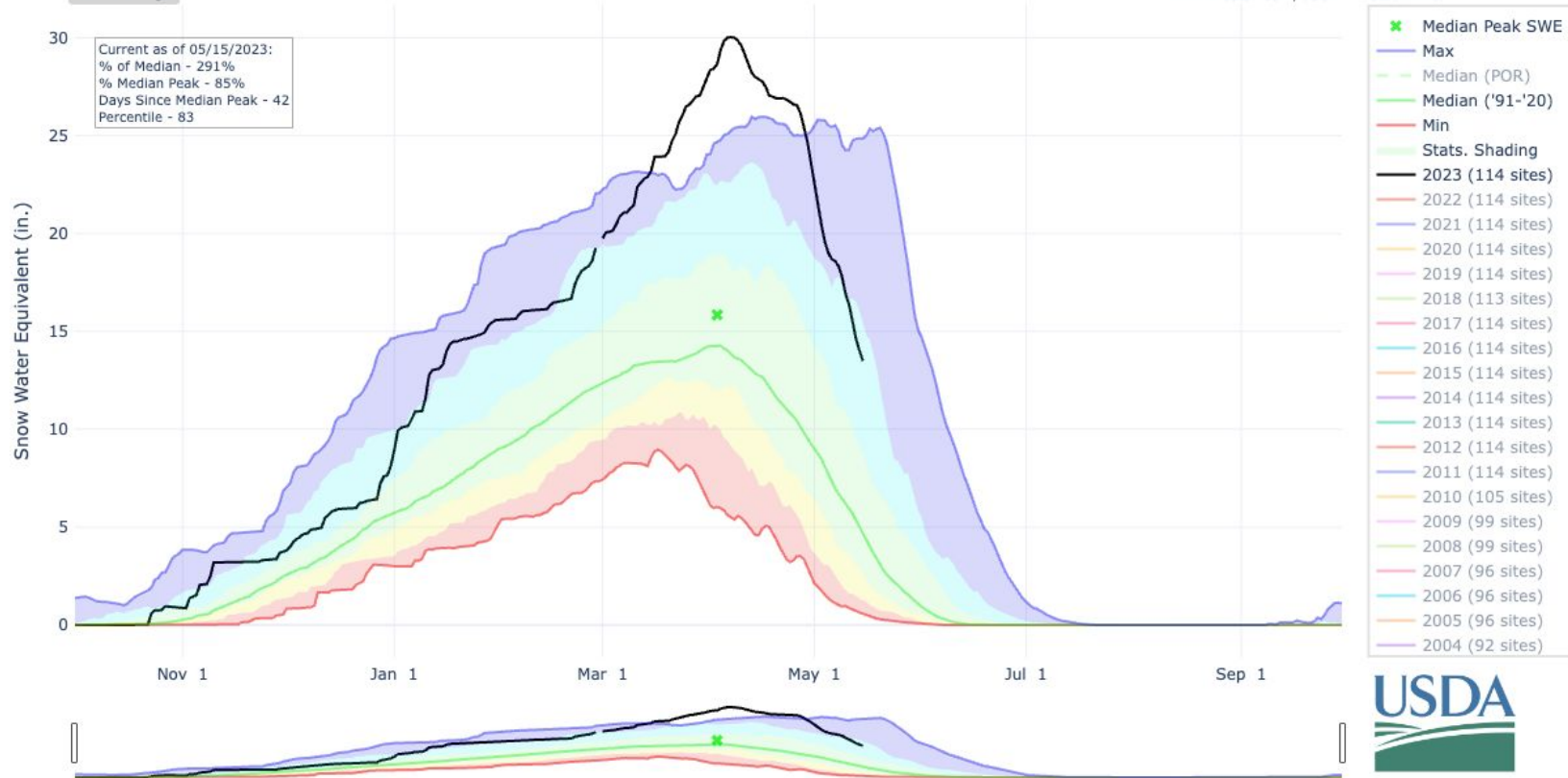
# State of Utah

## SNOW WATER EQUIVALENT IN STATE OF UTAH

Reset Range

[Link to data: CSV / JSON](#)

[Station List](#)

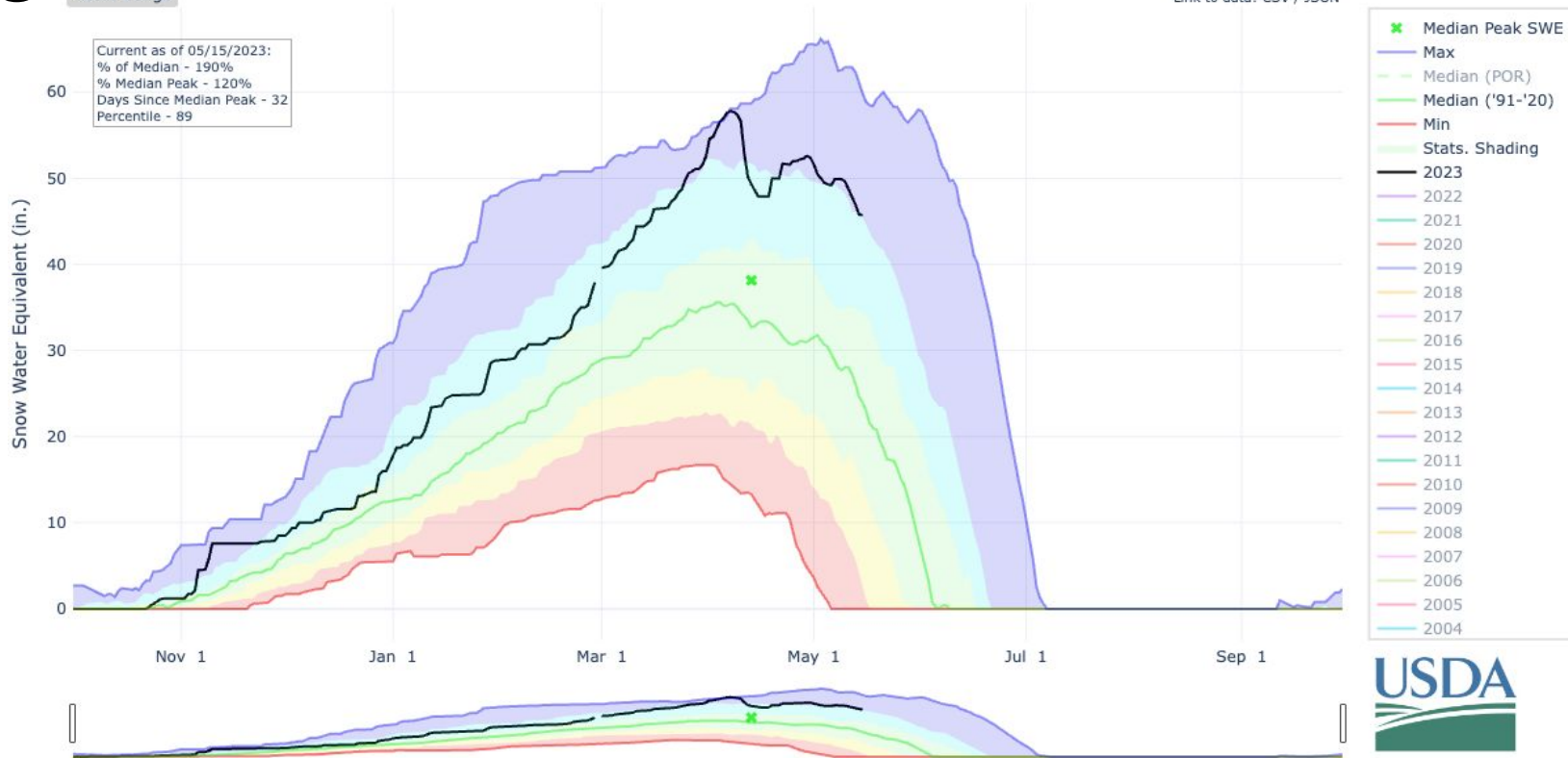


# Tony Grove Lake

## SNOW WATER EQUIVALENT AT TONY GROVE LAKE

Reset Range

[Link to data: CSV / JSON](#)

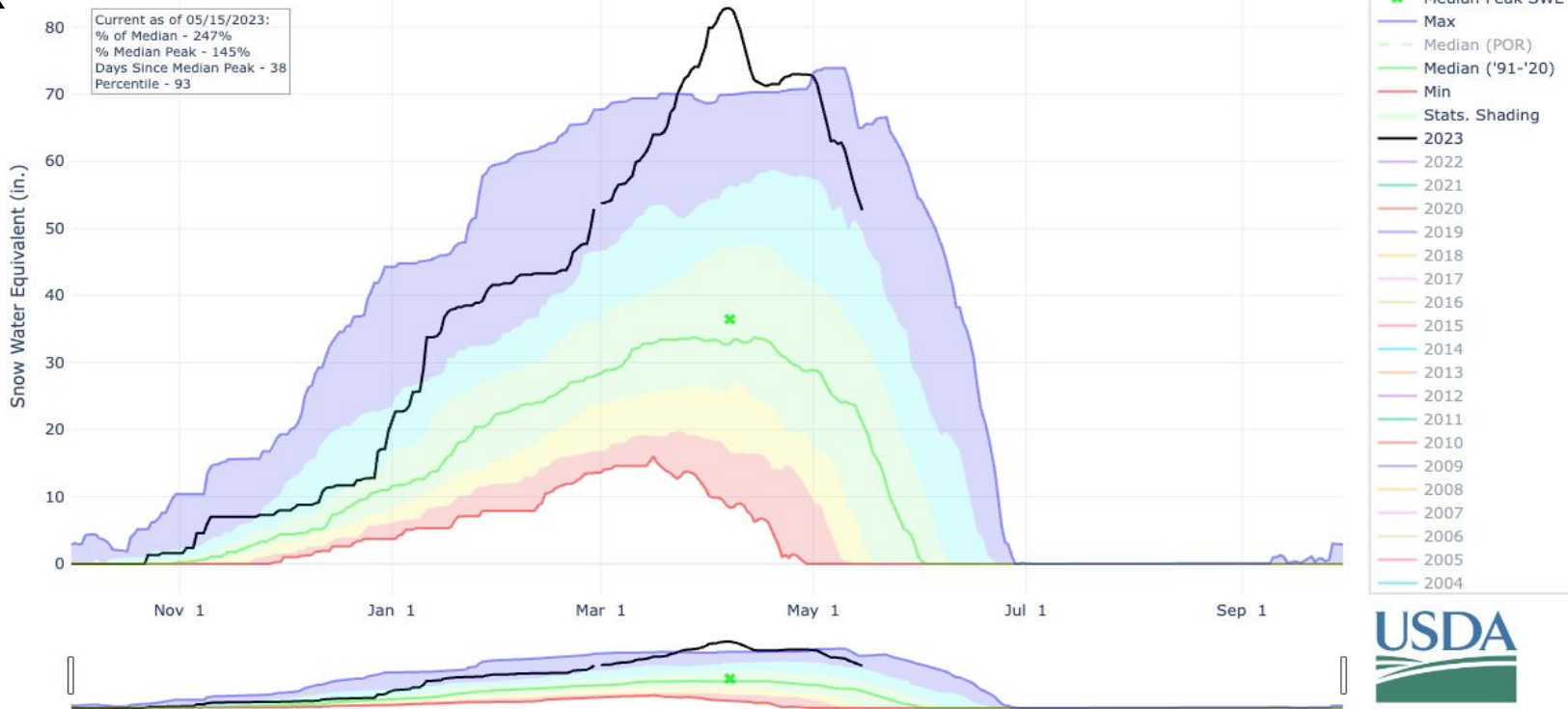


# Ben Lomond Peak

## SNOW WATER EQUIVALENT AT BEN LOMOND PEAK

Reset Range

[Link to data: CSV / JSON](#)



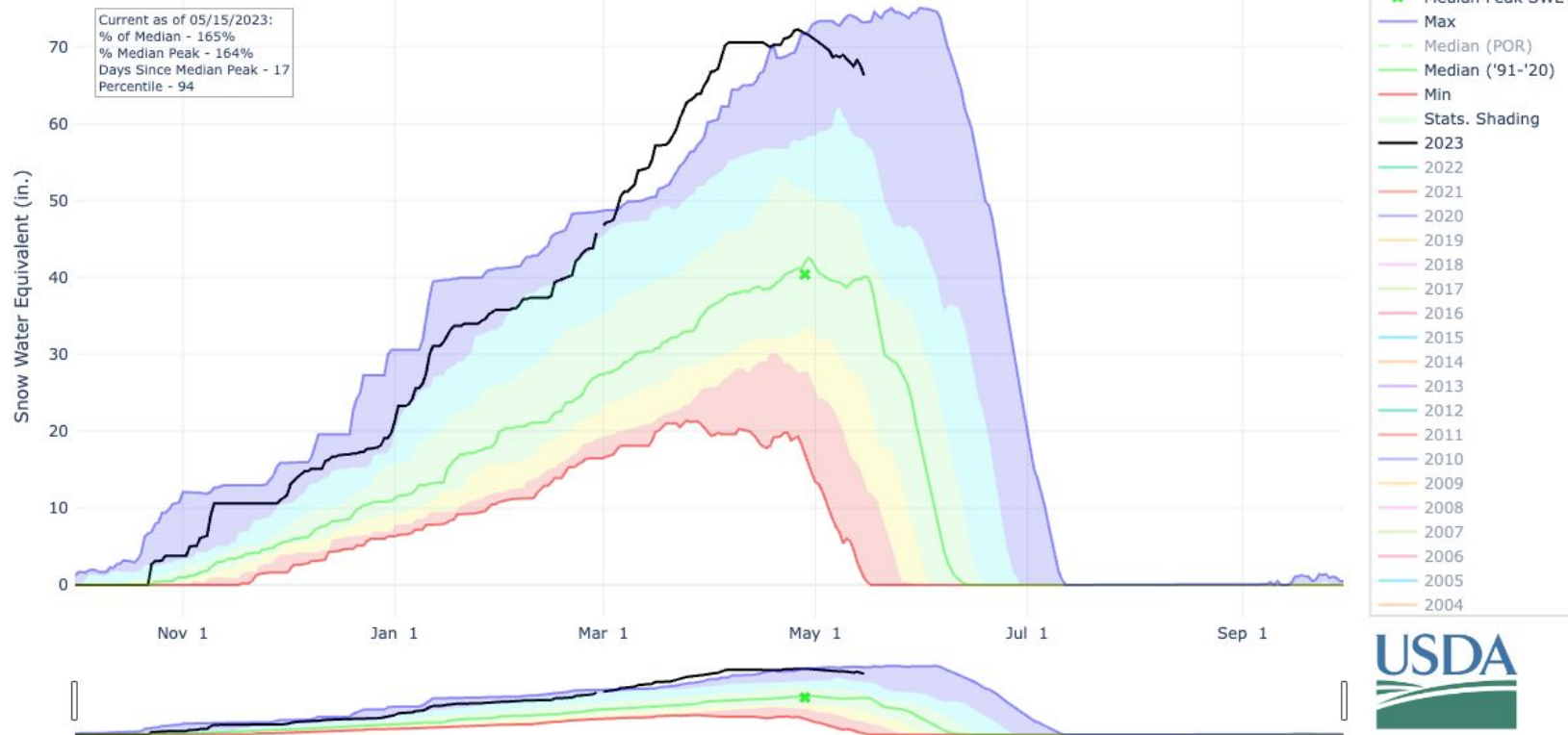


# Snowbird

## SNOW WATER EQUIVALENT AT SNOWBIRD

Reset Range

[Link to data: CSV / JSON](#)

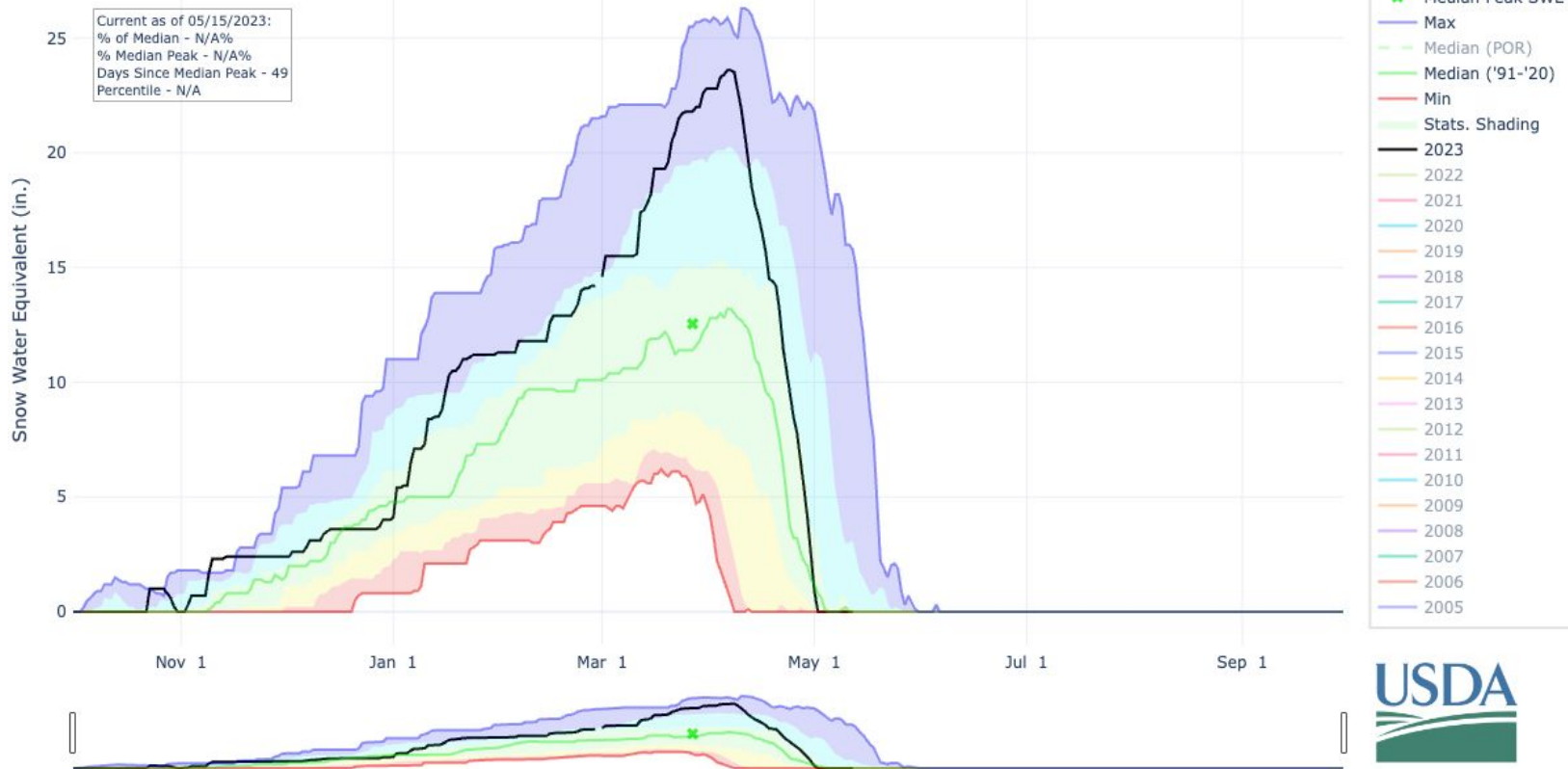


# Gardner Peak

## SNOW WATER EQUIVALENT AT GARDNER PEAK

Reset Range

[Link to data: CSV / JSON](#)



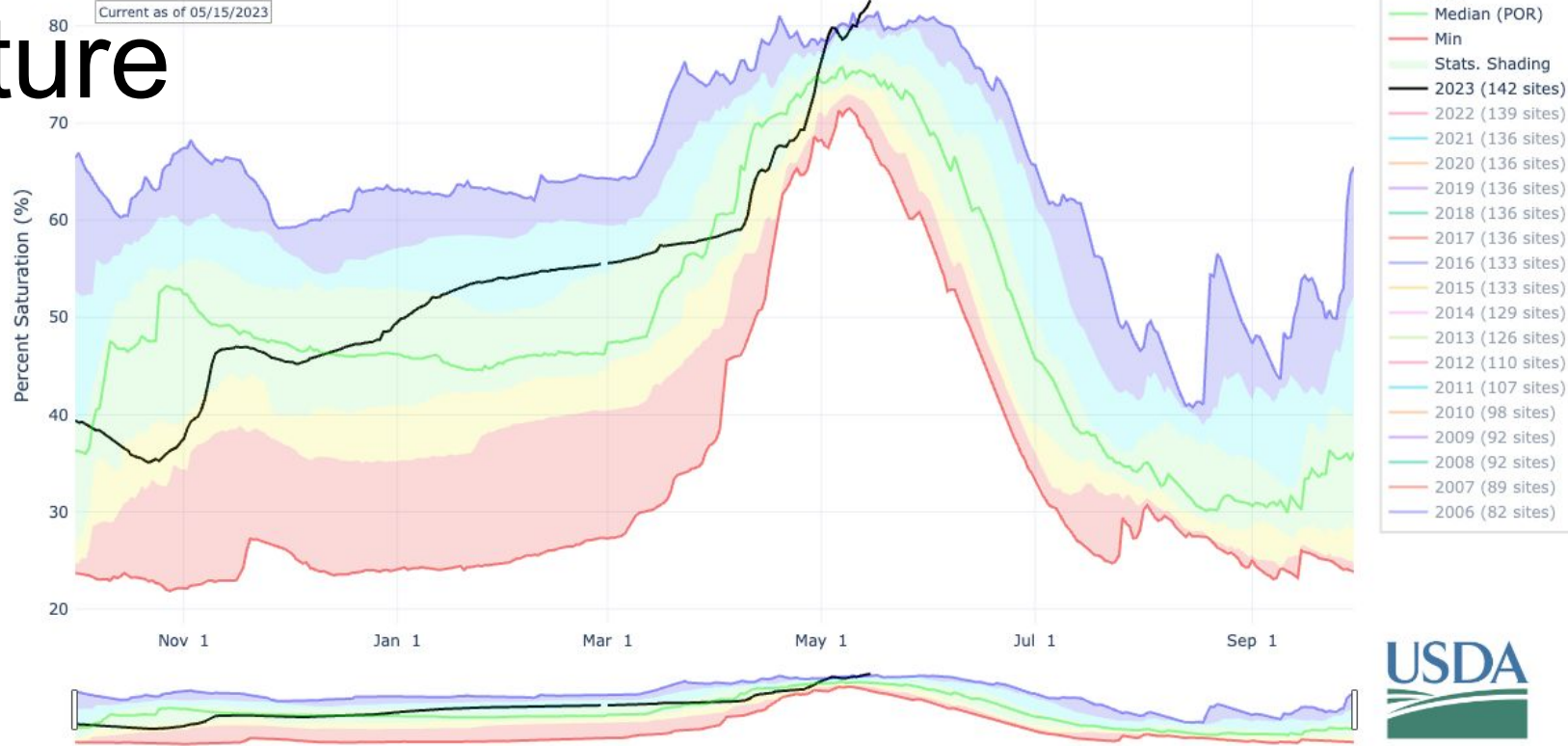
# Soil Moisture

## DEPTH AVERAGED SOIL SATURATION IN STATE OF UTAH

Reset Range

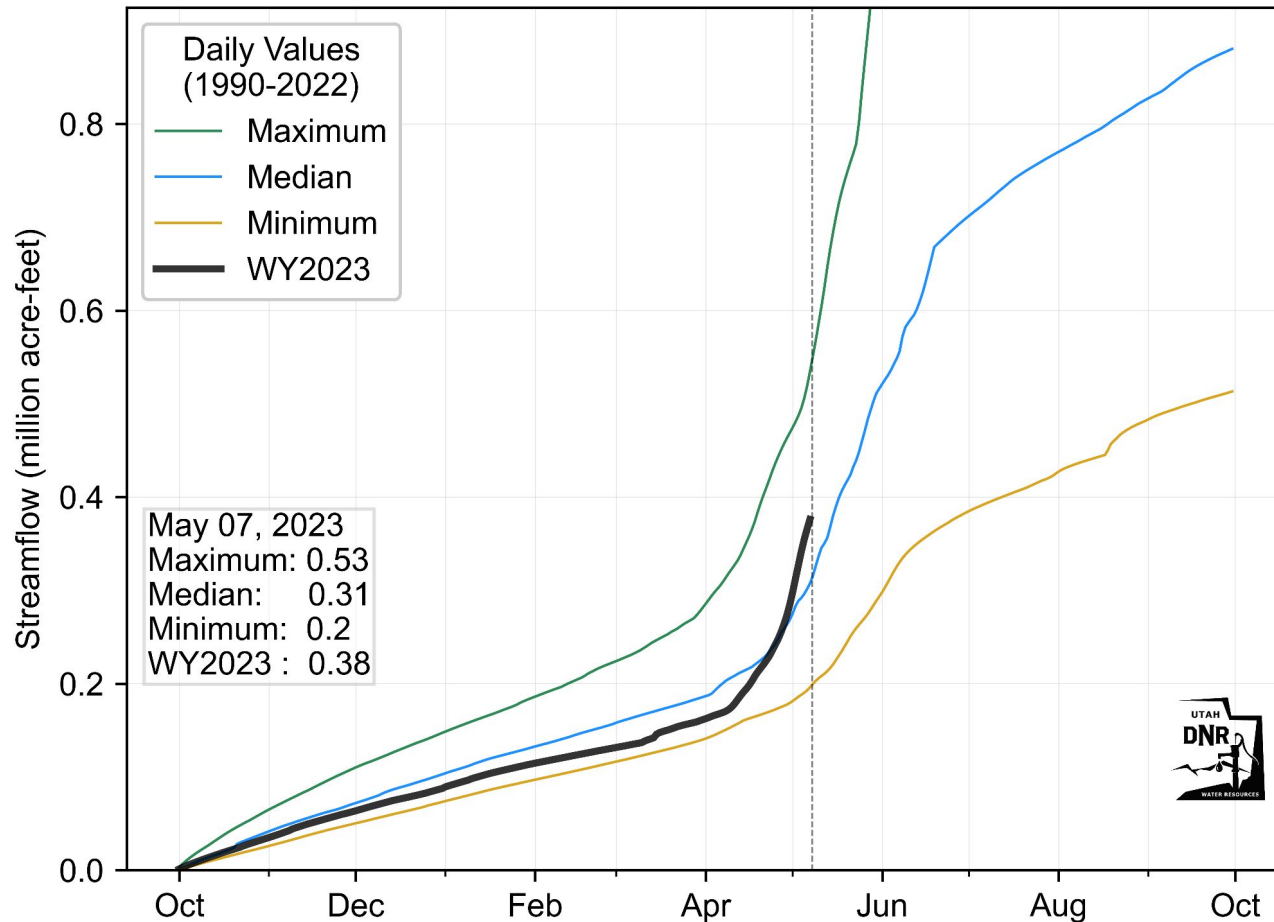
[Link to data: CSV / JSON](#)

[Station List](#)

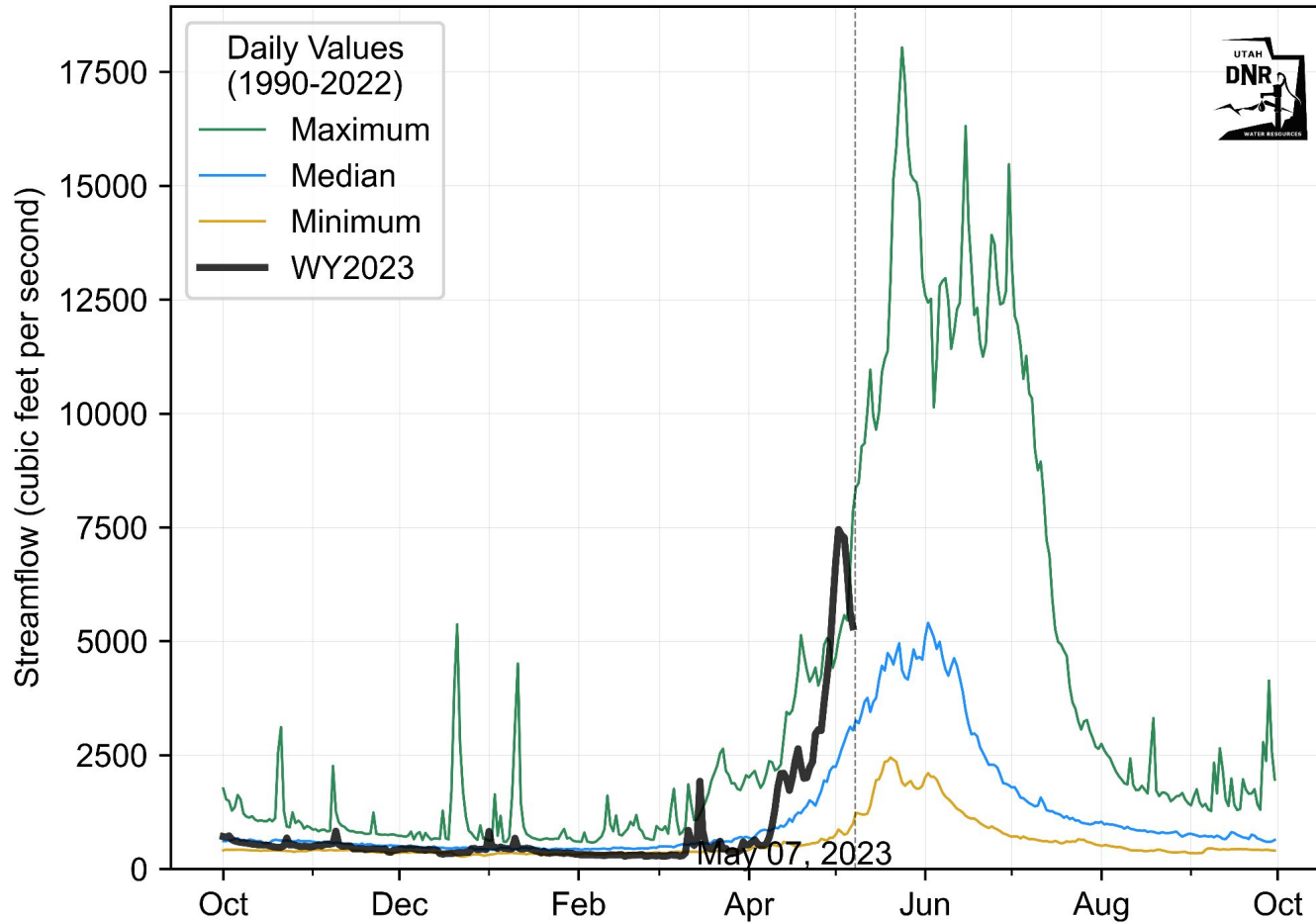




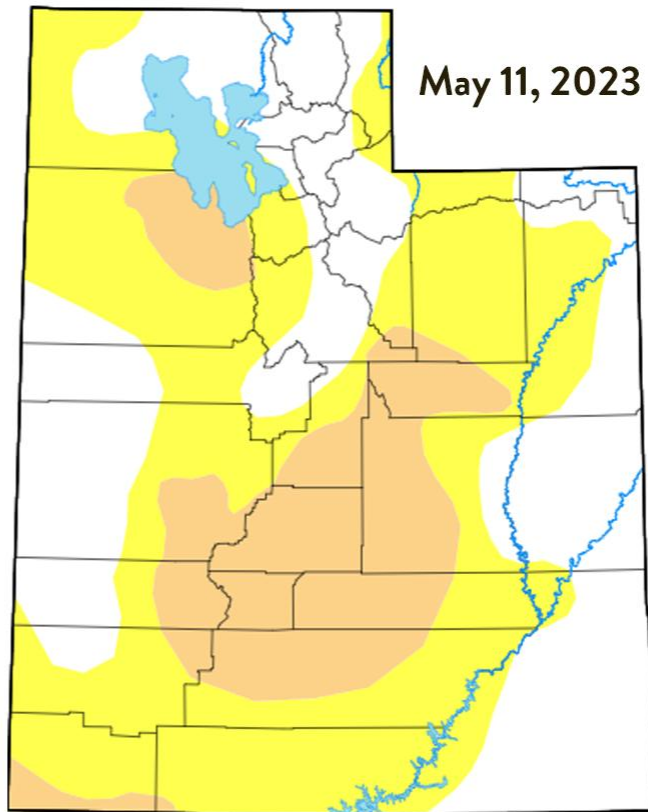
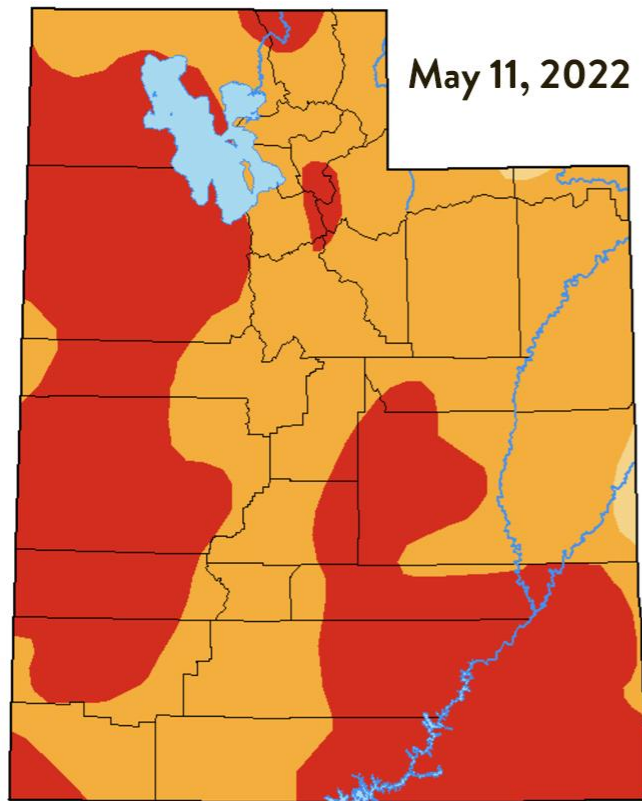
# Cumulative Flow of 27 Headwater Streams



# Daily Flow of 27 Headwater Streams



# Drought Monitor Comparison



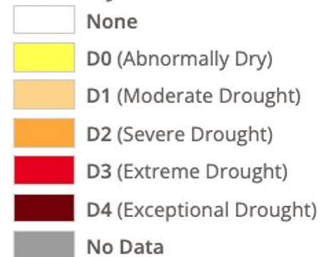
## Current

37% None  
63% Abnormally Dry  
19% Moderate Dry

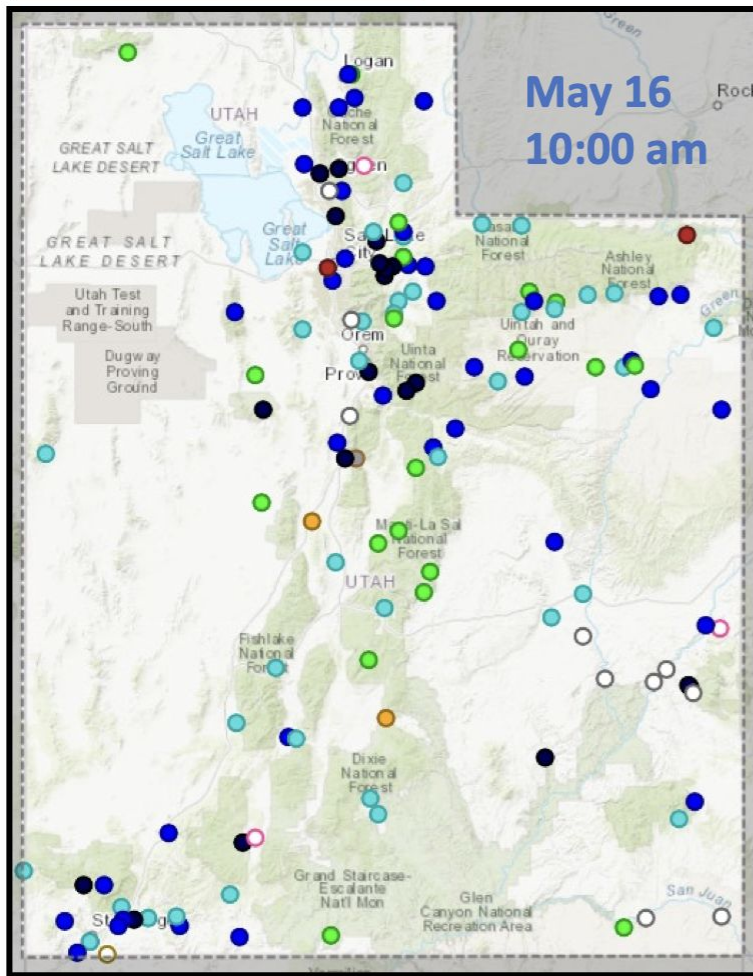
## Last Year

100% Moderate  
99% Severe  
48% Extreme

## Intensity







#### Day-of-Year Status

All-time high for this day-of-year	20	14.6%	■
Much above normal for this day-of-year	42	30.7%	■
Above normal for this day-of-year	39	28.5%	■
Normal for this day-of-year	20	14.6%	■
Below normal for this day-of-year	2	1.5%	■
Much below normal for this day-of-year	2	1.5%	■
All-time low for this day-of-year	0	0.0%	■
Not ranked - insufficient record	10	7.3%	■
Not ranked - stream not flowing	1	0.7%	■
Not ranked - no recent measurement	1	0.7%	■

#### Moderate flood stage

DOLORES RIVER NEAR CISCO, UT

#### Minor flood stage

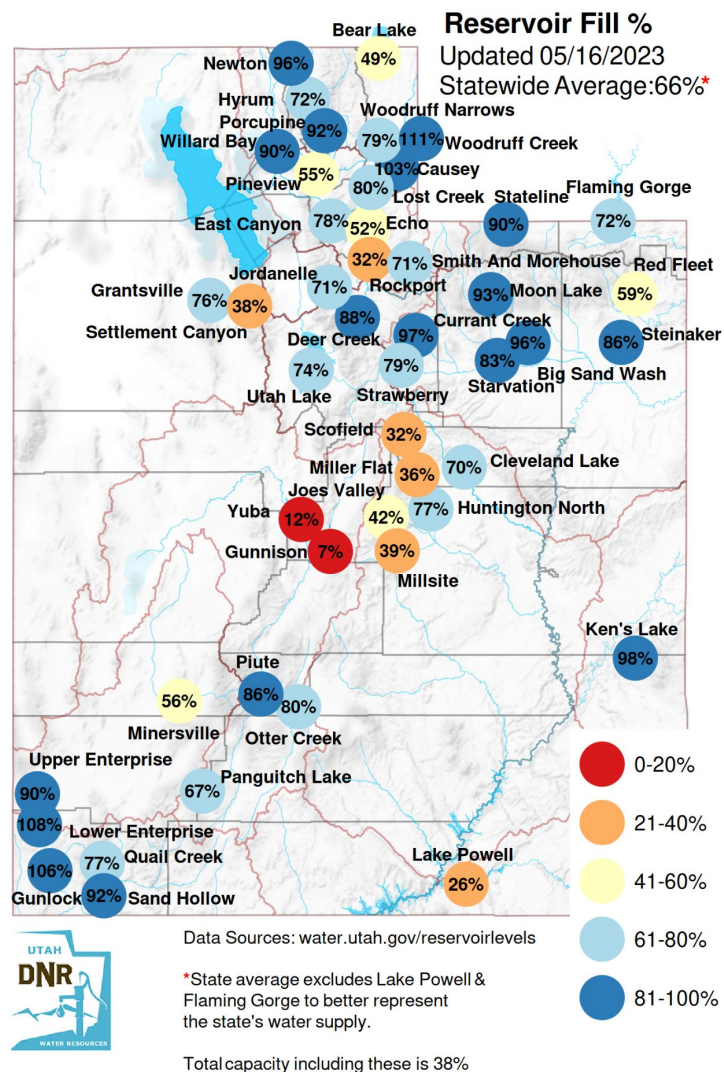
SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UT

SEVIER RIVER AT HATCH, UT

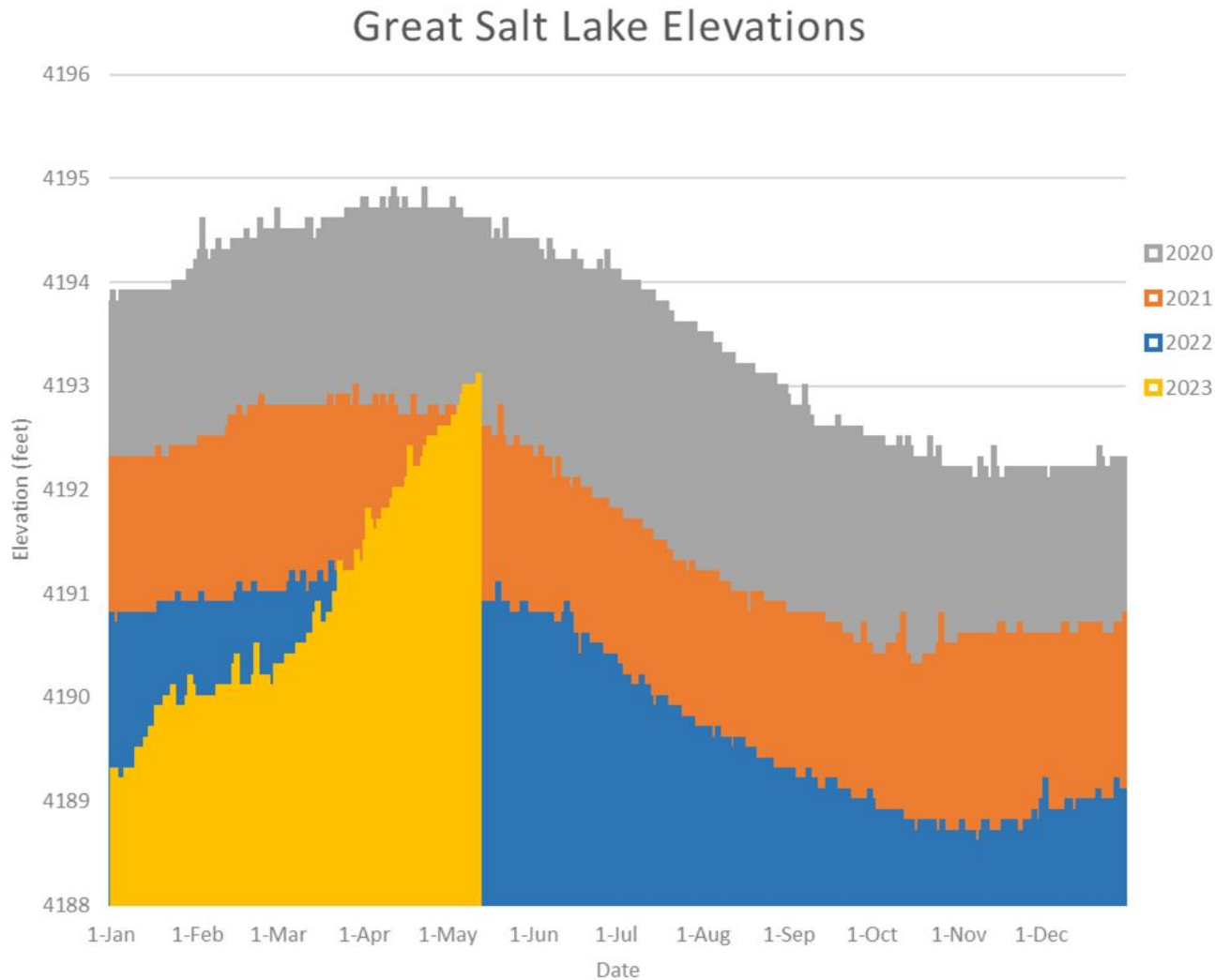
#### Streamflow: Status

- Above flood stage
- All-time high for this day 100<sup>th</sup> percentile (maximum)
- Much above normal >90<sup>th</sup> percentile
- Above normal 76<sup>th</sup> - 90<sup>th</sup> percentile
- Normal 25<sup>th</sup> - 75<sup>th</sup> percentile
- Below normal 10<sup>th</sup> - 24<sup>th</sup> percentile
- Much below normal <10<sup>th</sup> percentile
- All-time low for this day 0<sup>th</sup> percentile (minimum)
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

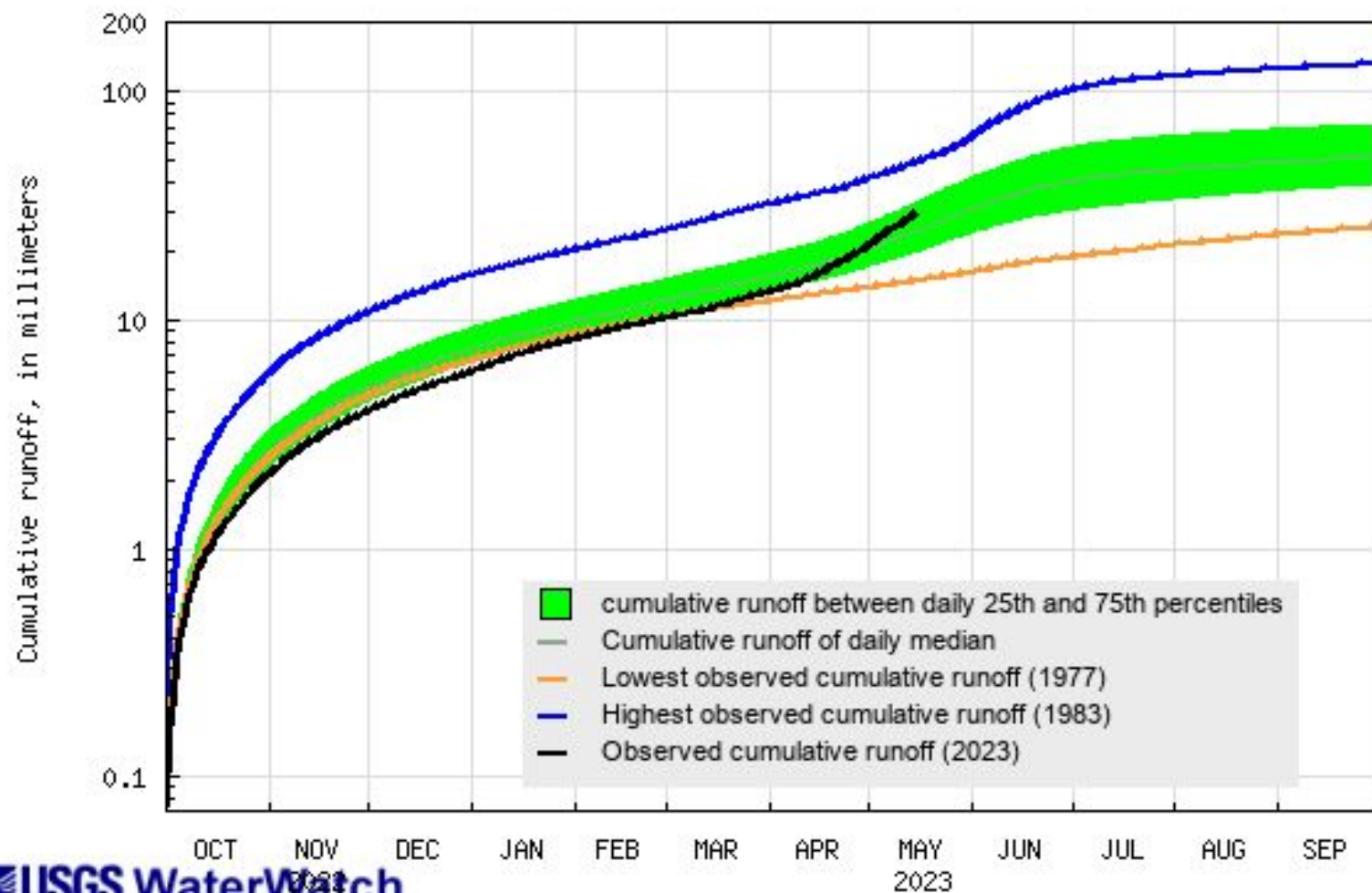
# Reservoirs Across the State



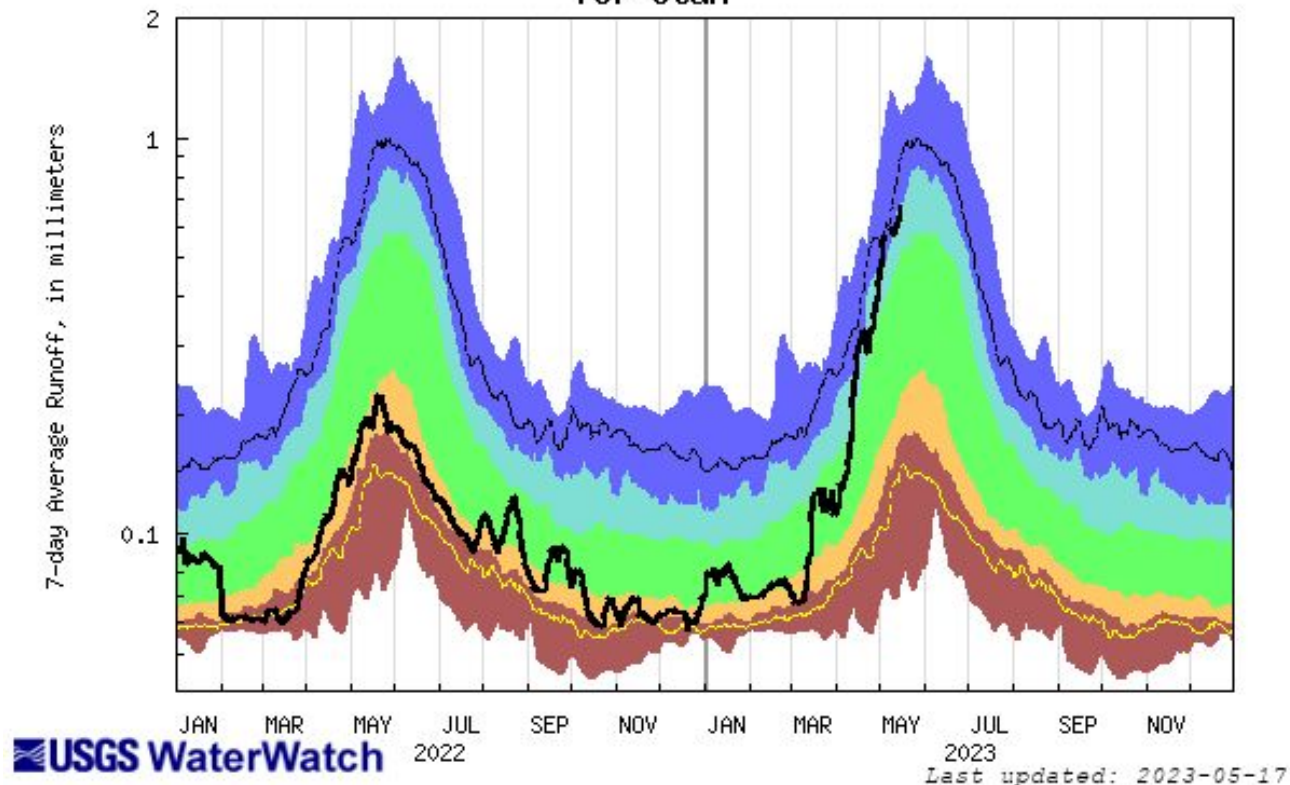
South Arm  
Lake Elevation: 4193.1 ft  
Salinity: 141 g/L (~13%)







# Duration hydrograph of 7-day average runoff for Utah



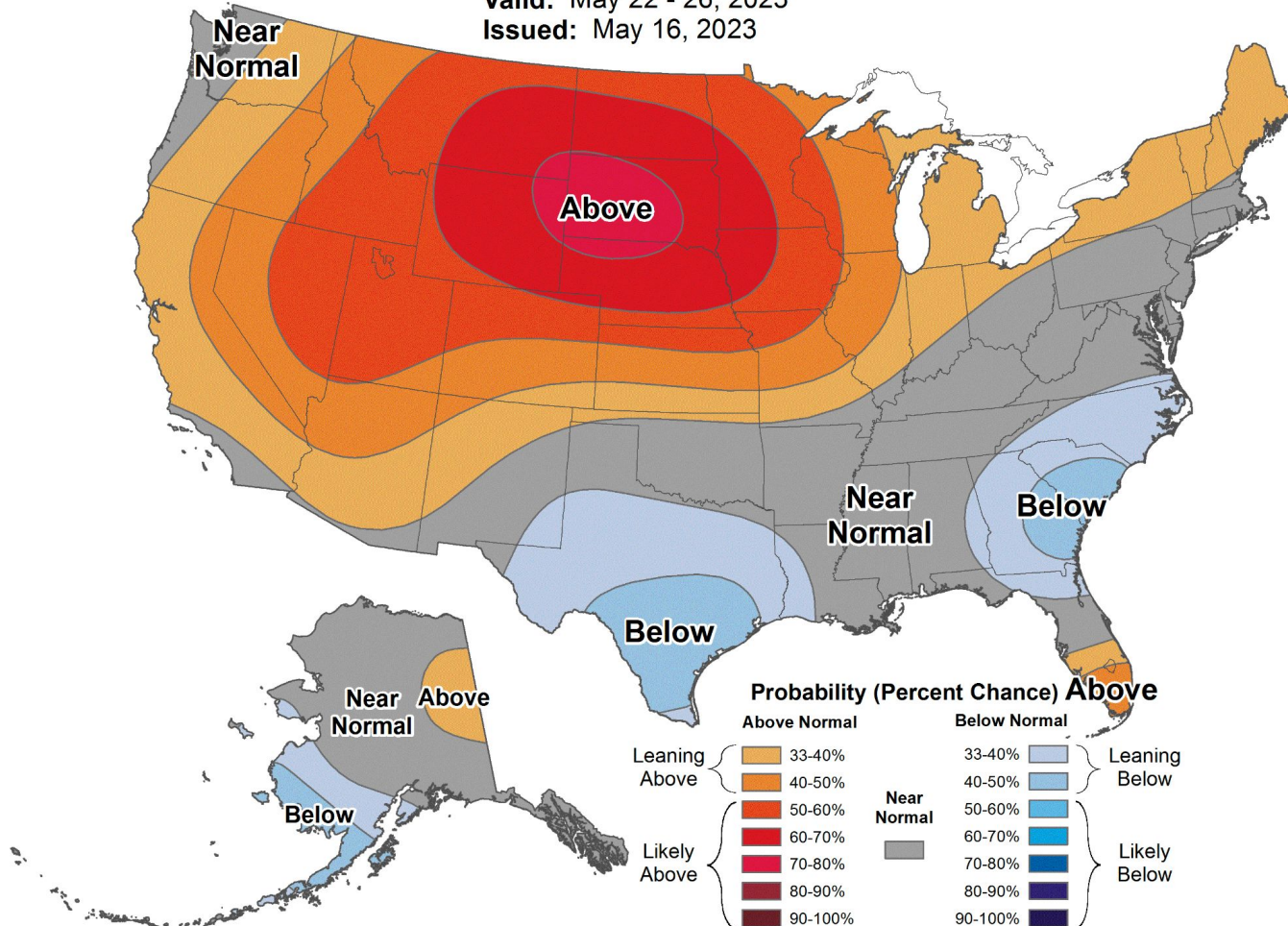
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile-highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Runoff



# 6-10 Day Temperature Outlook



Valid: May 22 - 26, 2023  
Issued: May 16, 2023







# 6-10 Day Precipitation Outlook



Valid: May 22 - 26, 2023

Issued: May 16, 2023

